

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P857611

Luminaire Tested: **LX4C30D010 EX4C309730 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C30D010 EX4C309730 4LBLWW\*  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS  
AND 4LRLWW TRIM WITH \* FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

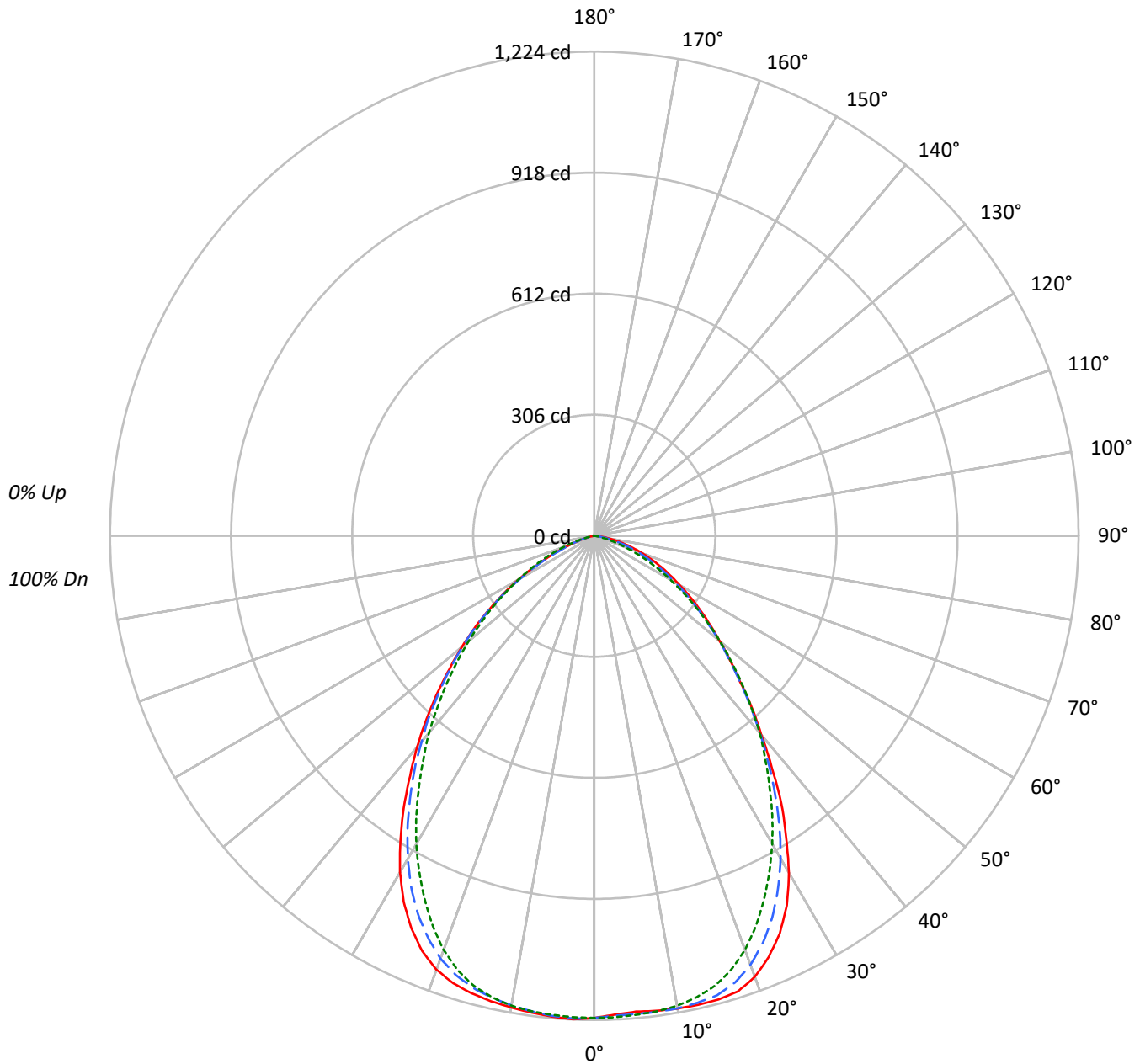
Lumens per Lamp: N/A  
Luminaire Lumens: 2337.0 lumens  
Efficiency: N/A  
Efficacy: 74.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.6  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P857611

CATALOG NUMBER: LX4C30D010 EX4C309730 4LBLWW\*

### Luminous Intensity Polar Plot





TEST NUMBER: P857611

CATALOG NUMBER: LX4C30D010 EX4C309730 4LBLWW\*

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |  | 20  |     |     |  |     | 20  |     |  |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |  | 50  |     |     |  |     | 30  |     |  |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  |  | 101 | 99  | 96  |  | 97  | 95  | 93  |  | 94  | 92  | 91  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  |  | 91  | 87  | 83  |  | 88  | 84  | 81  |  | 85  | 82  | 80  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  |  | 82  | 77  | 72  |  | 80  | 75  | 71  |  | 77  | 73  | 70  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  |  | 75  | 69  | 64  |  | 72  | 67  | 63  |  | 70  | 66  | 62  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 63  | 57  |  | 68  | 61  | 57  |  | 66  | 60  | 56  |  | 64  | 59  | 55  |
| 6   | 76  | 65  | 57  | 51  | 75  | 64  | 56  | 51  |  | 62  | 56  | 51  |  | 61  | 55  | 50  |  | 59  | 54  | 50  |
| 7   | 71  | 59  | 51  | 46  | 70  | 59  | 51  | 46  |  | 57  | 50  | 46  |  | 56  | 50  | 45  |  | 54  | 49  | 45  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  |  | 53  | 46  | 41  |  | 52  | 46  | 41  |  | 50  | 45  | 41  |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  |  | 49  | 42  | 38  |  | 48  | 42  | 38  |  | 47  | 41  | 37  |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 39  | 35  |  | 45  | 39  | 35  |  | 45  | 39  | 35  |  | 44  | 38  | 34  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 149758 | 149758 | 149758 |
| 5°  | 148912 | 149936 | 150491 |
| 10° | 151383 | 150472 | 151033 |
| 15° | 154342 | 149801 | 152307 |
| 20° | 155121 | 145603 | 152545 |
| 25° | 150343 | 137506 | 148296 |
| 30° | 139547 | 127602 | 139291 |
| 35° | 123566 | 115752 | 125905 |
| 40° | 105350 | 104243 | 111652 |
| 45° | 90502  | 91544  | 97260  |
| 50° | 78992  | 79184  | 83369  |
| 55° | 69804  | 66870  | 69119  |
| 60° | 61181  | 54547  | 54326  |
| 65° | 54157  | 42325  | 37645  |
| 70° | 46193  | 29095  | 22378  |
| 75° | 37356  | 15664  | 10205  |
| 80° | 25611  | 3891   | 2618   |
| 85° | 7753   | 1269   | 1269   |



TEST NUMBER: P857611

CATALOG NUMBER: LX4C30D010 EX4C309730 4LBLWW\*

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 115.9  | 5.0       |
| 10°-20°   | 335.4  | 14.4      |
| 20°-30°   | 484.6  | 20.7      |
| 30°-40°   | 501.0  | 21.4      |
| 40°-50°   | 413.9  | 17.7      |
| 50°-60°   | 285.7  | 12.2      |
| 60°-70°   | 149.6  | 6.4       |
| 70°-80°   | 47.1   | 2.0       |
| 80°-90°   | 4.0    | 0.2       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| <hr/>     |        |           |
| 0°-30°    | 935.8  | 40.0      |
| 0°-40°    | 1436.8 | 61.5      |
| 0°-60°    | 2136.4 | 91.4      |
| 0°-90°    | 2337.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2337.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1219 | 1219 | 1219 | 1219 | 1219 |      |
| 5°  | 1208 | 1214 | 1216 | 1218 | 1220 | 116  |
| 15° | 1214 | 1202 | 1178 | 1183 | 1198 | 342  |
| 25° | 1109 | 1064 | 1014 | 1055 | 1094 | 506  |
| 35° | 824  | 796  | 772  | 812  | 840  | 511  |
| 45° | 521  | 519  | 527  | 551  | 560  | 406  |
| 55° | 326  | 316  | 312  | 321  | 323  | 293  |
| 65° | 186  | 169  | 146  | 121  | 130  | 185  |
| 75° | 79   | 62   | 33   | 22   | 22   | 84   |
| 85° | 6    | 3    | 1    | 1    | 1    | 11   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P857611

CATALOG NUMBER: LX4C30D010 EX4C309730 4LBLWW\*

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 |
| 2.5°  | 1211.2 | 1211.7 | 1211.7 | 1212.6 | 1212.6 | 1212.6 | 1213.0 | 1213.0 | 1213.5 | 1213.9 | 1214.4 |
| 5°    | 1207.5 | 1207.5 | 1208.4 | 1208.9 | 1209.8 | 1210.3 | 1211.2 | 1211.7 | 1212.6 | 1213.0 | 1213.5 |
| 7.5°  | 1211.2 | 1211.2 | 1211.7 | 1212.1 | 1212.1 | 1212.6 | 1212.6 | 1213.0 | 1213.5 | 1213.9 | 1213.9 |
| 10°   | 1213.5 | 1213.5 | 1213.5 | 1213.5 | 1213.9 | 1213.9 | 1213.9 | 1213.5 | 1213.5 | 1213.5 | 1213.0 |
| 12.5° | 1214.4 | 1214.4 | 1213.9 | 1213.5 | 1213.9 | 1213.5 | 1213.5 | 1212.1 | 1211.2 | 1210.3 | 1208.9 |
| 15°   | 1213.5 | 1213.5 | 1213.0 | 1212.6 | 1212.1 | 1211.2 | 1210.7 | 1208.4 | 1206.6 | 1203.9 | 1202.0 |
| 17.5° | 1207.5 | 1206.6 | 1205.7 | 1204.8 | 1203.0 | 1201.6 | 1200.7 | 1196.5 | 1193.3 | 1188.8 | 1183.7 |
| 20°   | 1186.5 | 1185.6 | 1184.2 | 1181.9 | 1179.6 | 1177.8 | 1175.0 | 1169.1 | 1165.9 | 1159.0 | 1154.0 |
| 22.5° | 1152.1 | 1151.2 | 1151.7 | 1147.6 | 1143.0 | 1140.2 | 1138.4 | 1133.4 | 1127.9 | 1119.2 | 1113.7 |
| 25°   | 1109.1 | 1106.4 | 1106.4 | 1100.0 | 1097.7 | 1095.8 | 1093.6 | 1087.6 | 1079.4 | 1071.6 | 1064.3 |
| 27.5° | 1053.3 | 1049.6 | 1047.8 | 1046.9 | 1041.4 | 1037.3 | 1034.0 | 1029.5 | 1022.6 | 1015.7 | 1005.7 |
| 30°   | 983.7  | 983.2  | 980.9  | 976.8  | 972.7  | 970.9  | 967.2  | 959.4  | 953.0  | 948.0  | 941.6  |
| 32.5° | 901.8  | 901.3  | 901.3  | 901.3  | 898.6  | 898.1  | 892.6  | 888.5  | 883.4  | 875.7  | 871.5  |
| 35°   | 823.9  | 823.5  | 823.9  | 817.1  | 815.2  | 813.9  | 813.4  | 810.7  | 803.8  | 800.1  | 796.5  |
| 37.5° | 736.1  | 737.4  | 736.5  | 734.7  | 737.0  | 732.9  | 736.1  | 730.1  | 727.4  | 726.4  | 722.3  |
| 40°   | 656.9  | 660.5  | 656.9  | 657.3  | 659.6  | 655.5  | 655.5  | 654.6  | 652.7  | 651.8  | 650.9  |
| 42.5° | 589.1  | 584.5  | 587.3  | 585.0  | 587.3  | 585.9  | 583.6  | 585.0  | 585.5  | 583.6  | 583.2  |
| 45°   | 520.9  | 521.8  | 522.7  | 521.4  | 521.4  | 520.0  | 523.7  | 521.4  | 521.4  | 521.8  | 518.6  |
| 47.5° | 465.5  | 464.2  | 465.1  | 464.2  | 464.6  | 463.7  | 464.6  | 465.1  | 464.2  | 464.2  | 461.4  |
| 50°   | 413.3  | 412.4  | 415.6  | 412.9  | 412.9  | 412.4  | 412.9  | 412.0  | 410.6  | 410.6  | 411.5  |
| 52.5° | 368.0  | 366.2  | 365.7  | 368.0  | 364.8  | 364.8  | 365.3  | 364.4  | 362.5  | 361.6  | 359.3  |
| 55°   | 325.9  | 325.5  | 325.9  | 324.1  | 323.2  | 323.2  | 320.9  | 320.0  | 319.5  | 317.2  | 315.8  |
| 57.5° | 286.5  | 285.2  | 285.6  | 285.2  | 283.3  | 282.9  | 281.1  | 281.1  | 279.2  | 277.4  | 275.1  |
| 60°   | 249.0  | 249.0  | 250.4  | 248.6  | 247.2  | 246.3  | 245.4  | 244.4  | 241.2  | 238.0  | 235.3  |
| 62.5° | 215.6  | 216.1  | 215.6  | 214.2  | 213.3  | 212.4  | 211.5  | 208.7  | 206.0  | 204.2  | 201.0  |
| 65°   | 186.3  | 185.8  | 184.5  | 183.6  | 181.3  | 181.3  | 179.4  | 178.1  | 174.9  | 172.1  | 168.9  |
| 67.5° | 156.1  | 155.2  | 155.2  | 155.2  | 152.4  | 152.0  | 151.1  | 148.3  | 145.6  | 141.9  | 139.2  |
| 70°   | 128.6  | 129.5  | 128.2  | 126.8  | 125.4  | 125.0  | 123.6  | 120.8  | 117.6  | 114.0  | 111.7  |
| 72.5° | 102.5  | 103.5  | 102.1  | 101.6  | 98.9   | 98.0   | 97.5   | 95.2   | 91.5   | 89.3   | 85.6   |
| 75°   | 78.7   | 79.2   | 78.3   | 77.4   | 75.5   | 75.1   | 72.8   | 71.0   | 68.7   | 65.0   | 61.8   |
| 77.5° | 56.8   | 55.8   | 55.8   | 54.0   | 52.2   | 52.2   | 51.7   | 49.0   | 45.8   | 43.0   | 40.3   |
| 80°   | 36.2   | 35.7   | 34.3   | 33.4   | 32.0   | 31.6   | 31.1   | 28.8   | 26.5   | 24.7   | 22.9   |
| 82.5° | 18.3   | 17.9   | 17.4   | 16.9   | 16.0   | 15.1   | 15.6   | 13.7   | 12.8   | 11.0   | 9.6    |
| 85°   | 5.5    | 6.0    | 6.0    | 5.5    | 5.0    | 5.0    | 5.0    | 4.6    | 3.7    | 3.2    | 2.7    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P857611

CATALOG NUMBER: LX4C30D010 EX4C309730 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 |
| 2.5°  | 1214.9 | 1215.3 | 1215.8 | 1216.2 | 1216.2 | 1216.7 | 1217.1 | 1217.6 | 1218.1 | 1218.1 | 1218.5 |
| 5°    | 1213.9 | 1214.9 | 1214.9 | 1215.3 | 1215.3 | 1215.3 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1216.2 |
| 7.5°  | 1214.4 | 1214.4 | 1214.4 | 1213.9 | 1213.9 | 1213.5 | 1213.5 | 1213.5 | 1212.6 | 1212.6 | 1212.6 |
| 10°   | 1212.1 | 1211.7 | 1211.2 | 1210.3 | 1209.8 | 1209.4 | 1208.4 | 1207.5 | 1206.6 | 1206.2 | 1205.2 |
| 12.5° | 1207.5 | 1205.7 | 1203.9 | 1202.0 | 1201.1 | 1200.7 | 1198.8 | 1197.5 | 1196.1 | 1194.7 | 1193.8 |
| 15°   | 1198.4 | 1195.6 | 1192.4 | 1188.8 | 1187.8 | 1186.9 | 1183.7 | 1181.0 | 1179.2 | 1177.8 | 1175.5 |
| 17.5° | 1180.1 | 1174.6 | 1170.9 | 1165.4 | 1163.1 | 1162.2 | 1157.2 | 1154.4 | 1151.2 | 1150.3 | 1148.5 |
| 20°   | 1147.6 | 1142.5 | 1135.7 | 1130.6 | 1127.9 | 1125.1 | 1121.0 | 1117.4 | 1113.7 | 1113.7 | 1111.4 |
| 22.5° | 1106.8 | 1100.4 | 1091.7 | 1085.3 | 1084.9 | 1079.4 | 1075.7 | 1071.6 | 1070.2 | 1067.5 | 1067.5 |
| 25°   | 1055.6 | 1050.1 | 1040.5 | 1035.0 | 1032.2 | 1030.8 | 1024.9 | 1019.4 | 1016.7 | 1014.4 | 1016.2 |
| 27.5° | 998.8  | 990.6  | 983.2  | 976.4  | 974.1  | 971.3  | 965.8  | 963.6  | 958.5  | 958.1  | 957.6  |
| 30°   | 933.8  | 925.6  | 918.2  | 915.0  | 910.5  | 908.2  | 904.0  | 901.3  | 899.5  | 899.5  | 898.6  |
| 32.5° | 865.6  | 858.3  | 854.6  | 847.7  | 845.5  | 842.3  | 839.5  | 836.8  | 837.7  | 836.8  | 837.2  |
| 35°   | 791.9  | 790.1  | 783.2  | 779.1  | 779.1  | 778.6  | 774.0  | 772.2  | 771.3  | 771.8  | 774.0  |
| 37.5° | 721.9  | 716.4  | 711.8  | 709.0  | 711.3  | 708.6  | 708.1  | 708.1  | 710.9  | 709.0  | 712.7  |
| 40°   | 647.3  | 646.8  | 645.0  | 645.9  | 646.3  | 643.1  | 644.0  | 644.5  | 646.3  | 650.0  | 650.5  |
| 42.5° | 582.3  | 581.8  | 581.8  | 581.8  | 580.9  | 579.0  | 580.9  | 584.1  | 583.6  | 586.4  | 588.7  |
| 45°   | 519.5  | 518.6  | 520.5  | 519.1  | 521.8  | 522.7  | 521.4  | 522.3  | 525.0  | 526.9  | 530.5  |
| 47.5° | 462.3  | 462.3  | 462.8  | 463.7  | 460.9  | 463.2  | 464.2  | 466.0  | 467.4  | 468.3  | 470.1  |
| 50°   | 409.2  | 409.2  | 408.3  | 408.3  | 408.3  | 409.7  | 407.9  | 410.1  | 410.6  | 414.3  | 416.5  |
| 52.5° | 360.2  | 358.0  | 359.3  | 358.4  | 356.6  | 355.7  | 356.6  | 357.0  | 359.8  | 360.7  | 363.4  |
| 55°   | 313.6  | 313.6  | 309.9  | 309.0  | 310.4  | 309.9  | 309.4  | 309.4  | 310.8  | 312.2  | 314.5  |
| 57.5° | 272.4  | 269.6  | 266.9  | 266.4  | 265.0  | 265.5  | 265.5  | 265.0  | 264.1  | 264.6  | 265.0  |
| 60°   | 233.5  | 231.6  | 227.5  | 227.5  | 227.0  | 226.6  | 224.3  | 223.8  | 221.5  | 222.0  | 220.2  |
| 62.5° | 197.7  | 196.8  | 191.3  | 189.5  | 189.5  | 188.1  | 185.8  | 185.4  | 182.2  | 182.2  | 180.4  |
| 65°   | 165.7  | 163.0  | 159.8  | 156.5  | 156.5  | 154.7  | 153.3  | 149.2  | 146.9  | 145.6  | 142.8  |
| 67.5° | 136.4  | 132.3  | 129.1  | 126.3  | 124.5  | 124.0  | 120.8  | 118.1  | 114.4  | 112.1  | 108.0  |
| 70°   | 108.0  | 104.8  | 101.6  | 98.9   | 97.0   | 95.2   | 92.0   | 87.9   | 85.1   | 81.0   | 78.3   |
| 72.5° | 81.5   | 78.7   | 76.0   | 72.3   | 70.0   | 68.7   | 65.5   | 61.8   | 57.2   | 54.5   | 50.8   |
| 75°   | 58.6   | 55.4   | 51.7   | 48.5   | 47.1   | 45.8   | 42.1   | 39.4   | 36.2   | 33.0   | 29.3   |
| 77.5° | 38.0   | 34.3   | 31.6   | 27.9   | 27.5   | 26.5   | 22.9   | 20.1   | 17.9   | 16.0   | 13.7   |
| 80°   | 20.1   | 18.3   | 16.0   | 13.7   | 12.8   | 11.4   | 9.6    | 8.2    | 6.9    | 5.5    | 4.6    |
| 82.5° | 8.7    | 7.3    | 6.0    | 5.0    | 4.6    | 4.1    | 3.2    | 2.7    | 2.3    | 2.3    | 1.8    |
| 85°   | 2.3    | 1.8    | 1.8    | 1.4    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P857611

CATALOG NUMBER: LX4C30D010 EX4C309730 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 |
| 2.5°  | 1219.0 | 1219.4 | 1219.9 | 1219.9 | 1220.3 | 1220.8 | 1220.8 | 1221.3 | 1221.7 | 1222.2 | 1222.2 |
| 5°    | 1216.7 | 1216.7 | 1216.7 | 1217.1 | 1217.1 | 1217.1 | 1217.1 | 1218.1 | 1218.1 | 1218.5 | 1219.0 |
| 7.5°  | 1212.1 | 1212.1 | 1212.1 | 1212.1 | 1211.7 | 1212.1 | 1211.7 | 1211.7 | 1212.6 | 1213.0 | 1213.5 |
| 10°   | 1204.8 | 1204.3 | 1204.3 | 1203.9 | 1203.9 | 1203.9 | 1204.3 | 1204.8 | 1205.2 | 1205.7 | 1207.1 |
| 12.5° | 1193.3 | 1192.9 | 1192.9 | 1192.4 | 1192.4 | 1192.9 | 1193.3 | 1194.3 | 1196.1 | 1197.0 | 1198.8 |
| 15°   | 1175.0 | 1174.6 | 1175.0 | 1175.5 | 1176.4 | 1177.8 | 1179.2 | 1180.5 | 1183.3 | 1185.6 | 1187.8 |
| 17.5° | 1148.5 | 1148.9 | 1149.4 | 1150.3 | 1151.7 | 1153.5 | 1157.2 | 1160.8 | 1164.0 | 1167.7 | 1171.4 |
| 20°   | 1111.9 | 1113.7 | 1114.2 | 1117.4 | 1118.3 | 1122.4 | 1126.5 | 1132.0 | 1137.0 | 1141.6 | 1146.7 |
| 22.5° | 1067.9 | 1069.3 | 1071.1 | 1074.8 | 1077.1 | 1082.6 | 1087.6 | 1094.0 | 1099.5 | 1105.5 | 1112.8 |
| 25°   | 1018.0 | 1018.5 | 1024.0 | 1024.0 | 1029.5 | 1034.0 | 1040.0 | 1046.9 | 1055.1 | 1062.9 | 1067.9 |
| 27.5° | 961.3  | 963.6  | 967.7  | 969.5  | 973.6  | 980.9  | 986.0  | 994.2  | 1002.5 | 1009.3 | 1014.8 |
| 30°   | 901.8  | 903.6  | 910.5  | 911.4  | 914.6  | 921.0  | 927.8  | 935.6  | 942.0  | 949.8  | 954.9  |
| 32.5° | 839.0  | 844.1  | 848.2  | 851.4  | 852.3  | 861.9  | 865.6  | 871.1  | 878.4  | 886.2  | 891.2  |
| 35°   | 778.2  | 780.5  | 786.4  | 788.2  | 791.0  | 796.5  | 803.8  | 808.4  | 812.0  | 817.1  | 823.0  |
| 37.5° | 713.6  | 720.5  | 721.9  | 727.4  | 728.3  | 733.3  | 737.0  | 742.5  | 747.0  | 751.6  | 752.5  |
| 40°   | 653.7  | 655.9  | 661.0  | 662.4  | 663.3  | 670.1  | 674.7  | 676.1  | 678.4  | 682.5  | 688.0  |
| 42.5° | 592.8  | 595.1  | 600.6  | 599.2  | 603.3  | 606.5  | 608.8  | 614.3  | 616.6  | 618.0  | 618.0  |
| 45°   | 532.8  | 533.7  | 537.4  | 539.2  | 541.5  | 543.3  | 547.5  | 550.2  | 551.1  | 555.2  | 556.6  |
| 47.5° | 475.6  | 476.5  | 479.3  | 482.5  | 481.5  | 483.8  | 488.4  | 489.8  | 490.2  | 493.0  | 494.4  |
| 50°   | 419.3  | 421.6  | 425.2  | 424.3  | 427.1  | 428.4  | 432.6  | 433.5  | 433.5  | 433.9  | 434.4  |
| 52.5° | 366.7  | 368.5  | 369.4  | 370.3  | 371.7  | 374.0  | 375.8  | 374.9  | 376.7  | 378.6  | 377.2  |
| 55°   | 314.5  | 315.8  | 318.1  | 319.0  | 319.0  | 319.5  | 318.6  | 322.7  | 320.9  | 320.4  | 320.9  |
| 57.5° | 266.9  | 265.0  | 264.6  | 266.9  | 267.8  | 267.3  | 265.9  | 267.8  | 267.8  | 266.9  | 265.5  |
| 60°   | 220.6  | 219.3  | 218.8  | 219.3  | 217.4  | 216.1  | 217.0  | 216.1  | 213.8  | 212.9  | 213.3  |
| 62.5° | 178.5  | 177.1  | 173.5  | 173.5  | 172.6  | 172.1  | 168.5  | 168.9  | 167.1  | 164.3  | 165.2  |
| 65°   | 139.6  | 136.0  | 134.1  | 133.7  | 130.5  | 127.7  | 126.8  | 123.6  | 120.8  | 120.4  | 120.8  |
| 67.5° | 104.8  | 100.7  | 97.5   | 96.1   | 94.3   | 92.0   | 88.8   | 86.1   | 87.0   | 86.5   | 88.3   |
| 70°   | 72.8   | 70.0   | 66.8   | 64.5   | 65.5   | 62.7   | 60.9   | 60.9   | 61.3   | 61.8   | 62.7   |
| 72.5° | 48.5   | 44.9   | 43.5   | 42.1   | 41.2   | 39.4   | 40.3   | 40.3   | 39.8   | 40.3   | 39.4   |
| 75°   | 27.5   | 25.6   | 24.3   | 23.8   | 22.9   | 22.9   | 22.9   | 22.9   | 22.4   | 22.0   | 22.0   |
| 77.5° | 12.4   | 11.4   | 11.0   | 10.5   | 10.5   | 10.5   | 10.1   | 9.6    | 9.6    | 9.6    | 9.2    |
| 80°   | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 82.5° | 1.8    | 1.8    | 2.3    | 2.3    | 2.3    | 1.8    | 2.3    | 2.3    | 1.8    | 1.8    | 2.3    |
| 85°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 87.5° | 0.5    | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    | 0.5    | 0.5    | 0.0    | 0.5    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P857611

CATALOG NUMBER: LX4C30D010 EX4C309730 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 | 1219.0 |
| 2.5°  | 1222.6 | 1223.1 | 1223.1 | 1223.1 | 1223.6 | 1223.6 | 1223.6 | 1223.6 |
| 5°    | 1219.4 | 1219.9 | 1219.9 | 1219.9 | 1220.3 | 1220.3 | 1220.3 | 1220.3 |
| 7.5°  | 1213.9 | 1214.4 | 1214.4 | 1214.9 | 1214.9 | 1215.3 | 1215.3 | 1215.8 |
| 10°   | 1207.5 | 1208.4 | 1208.9 | 1209.4 | 1209.8 | 1210.3 | 1210.3 | 1210.7 |
| 12.5° | 1200.7 | 1201.6 | 1202.0 | 1203.0 | 1203.9 | 1204.3 | 1204.8 | 1205.2 |
| 15°   | 1190.6 | 1192.4 | 1193.3 | 1193.8 | 1195.6 | 1196.5 | 1197.0 | 1197.5 |
| 17.5° | 1174.6 | 1178.2 | 1179.6 | 1180.5 | 1182.4 | 1184.2 | 1185.6 | 1186.0 |
| 20°   | 1151.7 | 1155.8 | 1157.6 | 1159.9 | 1162.7 | 1165.0 | 1165.9 | 1166.8 |
| 22.5° | 1119.6 | 1124.2 | 1127.0 | 1129.7 | 1132.0 | 1134.3 | 1138.0 | 1136.6 |
| 25°   | 1073.9 | 1081.7 | 1084.9 | 1086.2 | 1091.3 | 1094.0 | 1095.8 | 1094.0 |
| 27.5° | 1022.6 | 1027.2 | 1029.9 | 1033.1 | 1036.8 | 1039.5 | 1040.5 | 1043.2 |
| 30°   | 960.8  | 968.6  | 968.1  | 971.3  | 975.9  | 978.7  | 979.6  | 981.9  |
| 32.5° | 896.7  | 900.4  | 903.1  | 902.7  | 904.5  | 909.5  | 907.7  | 911.8  |
| 35°   | 828.5  | 829.0  | 833.6  | 833.1  | 836.8  | 836.8  | 836.8  | 839.5  |
| 37.5° | 755.7  | 761.2  | 758.9  | 764.4  | 762.6  | 764.0  | 764.0  | 764.9  |
| 40°   | 689.4  | 691.2  | 691.2  | 693.0  | 694.4  | 693.0  | 693.9  | 696.2  |
| 42.5° | 620.7  | 622.5  | 623.0  | 622.1  | 623.4  | 627.6  | 624.4  | 627.1  |
| 45°   | 556.6  | 558.0  | 559.8  | 558.4  | 560.7  | 559.4  | 560.7  | 559.8  |
| 47.5° | 496.2  | 495.7  | 495.3  | 498.9  | 495.7  | 496.2  | 498.0  | 494.8  |
| 50°   | 434.4  | 437.1  | 435.3  | 436.7  | 437.6  | 437.6  | 436.2  | 436.2  |
| 52.5° | 379.5  | 379.0  | 377.6  | 379.0  | 378.1  | 378.6  | 379.5  | 378.6  |
| 55°   | 322.7  | 324.5  | 323.6  | 323.2  | 323.6  | 323.6  | 326.4  | 322.7  |
| 57.5° | 266.9  | 265.9  | 267.3  | 270.5  | 267.3  | 269.6  | 271.0  | 271.4  |
| 60°   | 213.8  | 213.8  | 216.5  | 215.1  | 217.9  | 220.2  | 222.0  | 221.1  |
| 62.5° | 163.0  | 165.2  | 166.2  | 166.6  | 169.4  | 171.2  | 171.2  | 170.7  |
| 65°   | 120.8  | 124.0  | 124.0  | 125.9  | 126.8  | 126.8  | 127.7  | 129.5  |
| 67.5° | 89.3   | 89.3   | 89.7   | 90.6   | 90.2   | 90.2   | 91.1   | 91.5   |
| 70°   | 62.3   | 61.3   | 62.7   | 62.3   | 62.3   | 61.8   | 62.3   | 62.3   |
| 72.5° | 39.4   | 39.4   | 39.8   | 39.4   | 38.5   | 38.9   | 38.9   | 39.8   |
| 75°   | 21.1   | 22.0   | 21.1   | 21.1   | 21.5   | 20.6   | 21.1   | 21.5   |
| 77.5° | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.2    | 8.2    | 8.2    |
| 80°   | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 3.7    | 3.7    |
| 82.5° | 1.8    | 2.3    | 1.8    | 2.3    | 1.8    | 1.8    | 1.8    | 1.8    |
| 85°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 87.5° | 0.0    | 0.5    | 0.0    | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°    - - 45°-225°    - - - 90°-270°













(END OF REPORT)